

## IMAGING CHAIN FOR DIGITAL TOMOSYNTHESIS ON A FLAT PANEL DETECTOR

### ABSTRACT OF THE DISCLOSURE

A method of creating and displaying images resulting from digital tomosynthesis  
5 performed on a subject using a flat panel detector is disclosed. The method includes  
the step of acquiring a series of x-ray images of the subject, where each x-ray image is  
acquired at different angles relative to the subject. The method also includes the  
steps of applying a first set of corrective measures to the series of images,  
reconstructing the series of images into a series of slices through the subject, and  
10 applying a second set of corrective measures to the slices. The method further  
includes the step of displaying the images or slices according to at least one of a  
plurality of display options.